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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.				
10/598,485	08/31/2006	Kyung Mo Sung	2017-110	6101				
52706 IPLA P.A. 3580 WILSHIRE BLVD. 17TH FLOOR LOS ANGELES, CA 90010	7590 10/15/2007		<table border="1"><tr><td colspan="2">EXAMINER</td></tr><tr><td colspan="2">IMAS, VLADIMIR</td></tr></table>		EXAMINER		IMAS, VLADIMIR	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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Office Action Summary	Application No. 10/598,485	Applicant(s) SUNG, KYUNG MO	
	Examiner Vladimir Imas	Art Unit 2839	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 31 August 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 31 August 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>08/31/2006</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-3 are rejected under 35 U.S.C. 102(b) as being anticipated by Tsunematsu (US 2004/0002254).

Regarding claim 1, Tsunematsu, fig. 1, 2A, 2B, 5, 6A, 6B, discloses a connector for locking a film wire "F", the connector comprising a housing 10 with an insert hole 12 formed therethrough and a number of terminals 20 inserted and fixed to the housing through the insert hole and being adapted to allow a contact pin (not shown) of the film wire to be brought into intimate contact with a contact portion (not labeled) of each terminal when the film wire is inserted into the housing through the insert hole, wherein each terminal of the connector comprises the contact portion formed at one side of the terminal, and a seesaw member 33 integrally formed at the other side of the terminal opposite to the contact portion via a central portion 31 to seesaw about the central portion by the film wire when the film wire is inserted into the housing.

Regarding claim 2, Tsunematsu discloses the seesaw member integrally formed to each terminal via the central portion comprises a protrusion 33A formed at one side

of the central portion, and a compressing portion 32 formed at the other side of the central portion.

Regarding claim 3, Tsunematsu discloses the compressing portion of the seesaw member is formed to face the contact portion of the terminal while being separated from the contact portion by a distance greater than or equal to a thickness of the film wire having the contact pin, and the protrusion opposite to the compressing portion forms a gap in front of the protrusion to have a distance smaller than the thickness of the film wire having the contact pin.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 4-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tsunematsu in view of Heim Mueller (US 2001/0019925)

Regarding claim 4, Tsunematsu discloses all the limitations except each terminal of the connector comprises a pair of seesaw members formed to face each other within the housing. Heim Mueller, fig. 8-10, discloses each terminal of the connector comprises a pair of seesaw members 12 formed to face each other within the housing. At the time the invention was made, it would have been obvious to a person of ordinary skill in the

art to provide Tsunematsu's terminals with Heim Mueller's pair of seesaw members to increase the resilient force.

Regarding claim 5, Tsunematsu discloses each of the seesaw members has a protrusion 33A formed at one side of the central portion 31, and a compressing portion 32 formed at the other side of the central portion 31.

Regarding claim 6, Tsunematsu and Heim Mueller disclose in each pair of seesaw members, the protrusions face each other while forming a gap therebetween to have a distance smaller than a thickness of the film wire "F" having the contact pin, and the compressing portions face each other while forming a gap therebetween to have a distance greater than or equal to the thickness of the film wire having the contact pin.

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vladimir Imas whose telephone number is 571-272-8288. The examiner can normally be reached on 8:00 a.m. to 5:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, T. Patel can be reached on 571-272-2098. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

Art Unit: 2839

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

U1
Examiner
Vladimir Imas
10/6/2007


TULSIDAS C. PATEL
SUPERVISORY PATENT EXAMINER